

## Special Issue

# Infectious Ocular Disorders and Molecular Analysis

### Message from the Guest Editors

Pathogen detection is important in the diagnosis and diagnosis-based treatment of infectious ocular disorders. It is difficult to detect pathogens because of the small amounts of samples obtained from the ocular region. A method to detect pathogens with high sensitivity/specificity and rapidity from a small amount of specimen is required for the diagnosis of ocular infections. Our group developed the first PCR examination system in the ophthalmology field. Our fellows also established a novel multiplex PCR for detecting 24 pathogens responsible for ocular infections. This PCR is anticipated to provide easier etiological evaluation even for general ophthalmologists.

This Special Issue will focus on advances in the field of infectious ocular disorders by molecular analyses, including general PCR, real-time PCR, multiplex PCR, genome analysis, etc. The target disorders are broad ocular infections such as keratitis, ocular surface infectious diseases, corneal endothelitis, uveitis, retinitis, and endophthalmitis. Our aim is for this Special Issue to shed light on multidisciplinary researches that examine infection in the eye using new molecular analyses.

---

### Guest Editors

Dr. Sunao Sugita

Laboratory for Retinal Regeneration, RIKEN Center for Biosystems Dynamics Research (BDR), Kobe, Japan

Dr. Yoko Futatsugi

Laboratory for Retinal Regeneration, RIKEN Center for Biosystems Dynamics Research (BDR), Kobe, Japan

---

### Deadline for manuscript submissions

closed (28 February 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/58624](https://mdpi.com/si/58624)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)